

D. JIANG

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/373,230

DATE: 11/16/2000
TIME: 04:29:23

INPUT SET: S36111.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: OKAMURA, Haruki
TANIMOTO, Tadao
TORIGOE, Kakuji
KUNIKATA, Toshio
TANIGUCHI, Mutsuko
KOHNO, Keizo
KURIMOTO, Masashi

ENTERED

(ii) TITLE OF INVENTION: IFN-BETA PRODUCTION INDUCING PROTEIN AND
MONOCLONAL ANTIBODY OF THE SAME

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: BROWDY AND NEIMARK
(B) STREET: 419 Seventh Street, N.W., Suite 300
(C) CITY: Washington
(D) STATE: D.C.
(E) COUNTRY: USA
(F) ZIP: 20004

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 09/373,230
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/502,535
(B) FILING DATE:

(viii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: JP 45057/1995
(B) FILING DATE: 10-FEB-1995

(ix) ATTORNEY/AGENT INFORMATION:

(A) NAME: BROWDY, Roger L.

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47 (B) REGISTRATION NUMBER: 25,618
48 (C) REFERENCE/DOCKET NUMBER: OKAMURA=2
49
50 (ix) TELECOMMUNICATION INFORMATION:
51 (A) TELEPHONE: 202-628-5197
52 (B) TELEFAX: 202-737-3528
53
54
55 (2) INFORMATION FOR SEQ ID NO:1:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 471 base pairs
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
63 (ii) MOLECULE TYPE: cDNA
64
65 (ix) FEATURE:
66 (A) NAME/KEY: CDS
67 (B) LOCATION: 1..471
68
69 (D) OTHER INFORMATION:/note= Xaa in position 70 is Met or Thr
70
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
72
73 AAC TTT GGC CGA CTT CAC TGT ACA ACC GCA GTA ATA CGG AAT ATA AAT 48
74 Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
75 1 5 10 15
76
77 GAC CAA GTT CTC TTC GTT GAC AAA AGA CAG CCT GTG TTC GAG GAT ATG 96
78 Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
79 20 25 30
80
81 ACT GAT ATT GAT CAA AGT GCC AGT GAA CCC CAG ACC AGA CTG ATA ATA 144
82 Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
83 35 40 45
84
85 TAC ATG TAC AAA GAC AGT GAA GTA AGA GGA CTG GCT GTG ACC CTC TCT 192
86 Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
87 50 55 60
88
89 GTG AAG GAT AGT AAA AYG TCT ACC CTC TCC TGT AAG AAC AAG ATC ATT 240
90 Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
91 65 70 75 80
92
93 TCC TTT GAG GAA ATG GAT CCA CCT GAA AAT ATT GAT GAT ATA CAA AGT 288
94 Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
95 85 90 95
96
97 GAT CTC ATA TTC TTT CAG AAA CGT GTT CCA GGA CAC AAC AAG ATG GAG 336
98 Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
99 100 105 110

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100
101   TTT GAA TCT TCA CTG TAT GAA GGA CAC TTT CTT GCT TGC CAA AAG GAA      384
102   Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
103           115                      120                      125
104
105   GAT GAT GCT TTC AAA CTC ATT CTG AAA AAA AAG GAT GAA AAT GGG GAT      432
106   Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
107           130                      135                      140
108
109   AAA TCT GTA ATG TTC ACT CTC ACT AAC TTA CAT CAA AGT      471
110   Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser
111   145                      150                      155
112
113
114   (2) INFORMATION FOR SEQ ID NO:2:
115
116       (i) SEQUENCE CHARACTERISTICS:
117           (A) LENGTH: 157 amino acids
118           (B) TYPE: amino acid
119           (D) TOPOLOGY: linear
120
121       (ii) MOLECULE TYPE: protein
122
123       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
124
125   Asn Phe Gly Arg Leu His Cys Thr Thr Ala Val Ile Arg Asn Ile Asn
126       1           5           10           15
127
128   Asp Gln Val Leu Phe Val Asp Lys Arg Gln Pro Val Phe Glu Asp Met
129           20           25           30
130
131   Thr Asp Ile Asp Gln Ser Ala Ser Glu Pro Gln Thr Arg Leu Ile Ile
132           35           40           45
133
134   Tyr Met Tyr Lys Asp Ser Glu Val Arg Gly Leu Ala Val Thr Leu Ser
135           50           55           60
136
137   Val Lys Asp Ser Lys Xaa Ser Thr Leu Ser Cys Lys Asn Lys Ile Ile
138           65           70           75           80
139
140   Ser Phe Glu Glu Met Asp Pro Pro Glu Asn Ile Asp Asp Ile Gln Ser
141           85           90           95
142
143   Asp Leu Ile Phe Phe Gln Lys Arg Val Pro Gly His Asn Lys Met Glu
144           100          105          110
145
146   Phe Glu Ser Ser Leu Tyr Glu Gly His Phe Leu Ala Cys Gln Lys Glu
147           115          120          125
148
149   Asp Asp Ala Phe Lys Leu Ile Leu Lys Lys Lys Asp Glu Asn Gly Asp
150           130          135          140
151
152   Lys Ser Val Met Phe Thr Leu Thr Asn Leu His Gln Ser

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153 145 150 155
154
155 (2) INFORMATION FOR SEQ ID NO:3:
156
157 (i) SEQUENCE CHARACTERISTICS:
158 (A) LENGTH: 20 base pairs
159 (B) TYPE: nucleic acid
160 (C) STRANDEDNESS: single
161 (D) TOPOLOGY: linear
162
163 (ii) MOLECULE TYPE: other nucleic acid
164 (A) DESCRIPTION: /desc = "Oligonucleotide"
165
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
168
169 ATRTCRTCDA TRTTYTCNGG 20
170
171 (2) INFORMATION FOR SEQ ID NO:4:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 20 base pairs
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: other nucleic acid
180 (A) DESCRIPTION: /desc = "Oligonucleotide"
181
182
183 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
184
185 TTYGARGAYA TGACNGAYAT 20
186
187 (2) INFORMATION FOR SEQ ID NO:5:
188
189 (i) SEQUENCE CHARACTERISTICS:
190 (A) LENGTH: 17 base pairs
191 (B) TYPE: nucleic acid
192 (C) STRANDEDNESS: single
193 (D) TOPOLOGY: linear
194
195 (ii) MOLECULE TYPE: other nucleic acid
196 (A) DESCRIPTION: /desc = "Oligonucleotide"
197
198
199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
200
201 TTYGARGARA TGGAYCC 17
202
203 (2) INFORMATION FOR SEQ ID NO:6:
204
205 (i) SEQUENCE CHARACTERISTICS:

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206 (A) LENGTH: 26 base pairs
207 (B) TYPE: nucleic acid
208 (C) STRANDEDNESS: single
209 (D) TOPOLOGY: linear
210
211 (ii) MOLECULE TYPE: cDNA
212
213
214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
215
216 CGAGGGATCG AACTTTGGCC GACTTC 26
217
218 (2) INFORMATION FOR SEQ ID NO:7:
219
220 (i) SEQUENCE CHARACTERISTICS:
221 (A) LENGTH: 26 base pairs
222 (B) TYPE: nucleic acid
223 (C) STRANDEDNESS: single
224 (D) TOPOLOGY: linear
225
226 (ii) MOLECULE TYPE: cDNA
227
228
229 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
230
231 CGAGGAATTC CTAACCTTGA TGTAAG 26
232
233 (2) INFORMATION FOR SEQ ID NO:8:
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235 (i) SEQUENCE CHARACTERISTICS:
236 (A) LENGTH: 42 base pairs
237 (B) TYPE: nucleic acid
238 (C) STRANDEDNESS: single
239 (D) TOPOLOGY: linear
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241 (ii) MOLECULE TYPE: cDNA
242
243
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
245
246 GAGGAATTCT GGAGGAAGGT ACCATGAACT TTGGCCGACT TC 42
247
248 (2) INFORMATION FOR SEQ ID NO:9:
249
250 (i) SEQUENCE CHARACTERISTICS:
251 (A) LENGTH: 26 base pairs
252 (B) TYPE: nucleic acid
253 (C) STRANDEDNESS: single
254 (D) TOPOLOGY: linear
255
256 (ii) MOLECULE TYPE: cDNA
257
258

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SEQUENCE VERIFICATION REPORT
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Error

Original Text

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SEQUENCE MISSING ITEM REPORT
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SEQUENCE CORRECTION REPORT
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Original Text

Corrected Text